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PTO/SB/05 (4/98)

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Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## UTILITY **PATENT APPLICATION TRANSMITTAL**

Attorney Docket No. 678-434 (P9079)

First Inventor or Application Identifier Min-Goo Kim

Title QUANTIZATION METHOD FOR ITERATIVE

Only for new n	onprovisional applications under 37 C.F.R. § 1.53(b)) E	xpress Mai	Label No. EL	<u>.39356065</u>	52US	
				Assistant Co	ommissioner for Patents	
	PPLICATION ELEMENTS		ADDRESS TO	): Box Patent A	Application	0
	pter 600 concerning utility patent application contents.			Washington	.DC 20231	÷ .
	ee Transmittal Form (e.g., PTO/SB/17) bmit an original and a duplicate for fee processing)	5.	Microfiche	Computer Pro	gram (Appendix)	9 19
		], 6.	Nucleotide and/o	or Amino Acid	Sequence Submission	336
	ecification [Total Pages 21 eferred arrangement set forth below]	] 1	(if applicable, all	necessary)		
•-	escriptive title of the Invention		a. Co	mputer Readal	ble Copy	4 V
	ross References to Related Applications		b. Pa	ner Cony (iden	tical to computer copy)	56 09
	tatement Regarding Fed sponsored R & D					jc
- R	eference to Microfiche Appendix		c. Sta	atement verifyir	ng identity of above copie	es
- Ba	ackground of the Invention		ACCOMP	ANYING APF	LICATION PARTS	
- Bı	rief Summary of the Invention	7				
- Bı	rief Description of the Drawings (if filed)	7.		, ,	er sheet & document(s))	
- D	etailed Description	8.		§3.73(b) Staten re is an assigne		
- C	laim(s)	9.	•	•	ment (if applicable)	
- Al	bstract of the Disclosure	,   T		n Disclosure	Copies of IDS	s
Dra	awing(s) (35 U.S.C. 113) [Total Sheets 5	] 10.[		(IDS)/PTO-14		_
l. Oath or D	Declaration [Total Pages 2	] 11.		y Amendment	4.050.500)	
a. 🕽	Newly executed (original or copy)	12.	*	ceipt Postcard e specifically ite	,	
b	Copy from a prior application (37 C.F.R. § 1		——, <sup>⊁</sup> Small En	ntity C Stat	tement filed in prior appli	cation.
	: DELETION OF INVENTOR(S)	′ <b>[</b> 13.[	Statement (PTO/SB/09	(S)   Stat	tus still proper and desire	
	i. Signed statement attached deleting	14.		Copy of Priority	Document(s)	
	inventor(s) named in the prior applica	tion,	(if foreign	priority is claim	ied)	
	see 37 C.F.R. §§ 1.63(d)(2) and 1.33		Other:			
* NOTE FOR I	<u>TEMS 1 &amp; 13:</u> IN ORDER TO BE ENTITLED TO PAY SMALL E LL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXC	NTITY   '		***************************************		
IF ONE FILED	IN A PRIOR APPLICATION IS RELIED UPON 137 C.F.R. § 1.2	8).				
16. If a COI	NTINUING APPLICATION, check appropriate box,	and supply th	e requisite informat	tion below and in	a preliminary amendment:	
☐ co	ntinuation Divisional Continuation-in-p	art (CIP)	of prior applica	ation No:	_J	
Prior app	olication information: Examiner			oup / Art Unit:		• .
For CONTINU	ATION or DIVISIONAL APPS only: The entire disclo- is considered a part of the disclosure of the accompa	sure of the p	rior application, for	rom which an oa	ath or declaration is suppli	ied
under Box 40, reference. Th	is considered a part of the disclosure of the accompa- ne incorporation <u>can only</u> be relied upon when a por	tion has bee	n inadvertently or	nitted from the	submitted application part	s.
	17. CORRESPO	NDENCE A	ADDRESS			
Custom	er Number or Bar Code Label			or 🗶 Con	respondence address below	,
	(Insert Customer No. c	or Attach bar	code label here)			
	Paul J. Farrell					
Name						
~ ***	Dilworth & Barrese			<u>,</u>	- "	
Address	333 Earle Ovington Blvd.				<del></del>	
City		NY		Zip Code	11553	
City Country	Uniondale State U.S. Telephone		228-8484	Fax	(516) 228-8516	
						$\overline{\gamma}$
Name (F			Registration No. (	Attorney/Agent)	33,494	-
Signature	· Vaul - famell			Date	12/28/99	ر



PATENT

Atty. Docket No. 678-434 (P9079)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents Washington, D.C. 20231

## **UTILITY APPLICATION FEE TRANSMITTAL**

Sir:					
Transmitted	herewith for filing is the patent application of				
Inventor(s):	Min-Goo Kim; Beong-Jo Kim; and Young-Hwan Lee				
For:	QUANTIZATION METHOD FOR ITERATIVE DECODER IN COMMUNICATION SYSTEM				
Enclosed are	e:				
[X] <u>18</u>	page(s) of specification				
[X] <u>1</u>	page(s) of Abstract				
[X] <u>2</u>	page(s) of claims				
[X] <u>5</u>	[X] 5 sheets of drawings [X] formal [] informal				
[X] page(s) of Declaration and Power of Attorney					
X] An Assignment of the invention to <u>Samsung Electronics Co., Ltd.</u>					
	CERTIFICATION UNDER 37 C.F.R. § 1.10				

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date December 28, 1999 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL393560652US addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

(Type or print name of person mailing paper)

(Signature of person mailing paper)

		aims the benefit under ovisional Application(s					
	APPLICATION NO	o(S).:	FILING DATE				
		<u> </u>					
[X] C	Certified copy of appl	ications					
Cour	ntry	Appln. No.	<u>Filed</u>				
<u>Kore</u>	a	62715	December 31, 1998				
from which priority under Title 35 United States Code, § 119 is claimed  [] is enclosed.							

## **CALCULATION OF UTILITY APPLICATION FEE**

[X] will follow.

For	Number Filed	Number Extra	Rate	Basic Fee \$760.00
TOTAL CLAIMS	13	0	x 18 =	\$0
INDEPENDENT CLAIMS	2	0	x 78 =	\$0
] Multiple Dep. Claim	0		260	\$0
		TOTAL\$760.00		

Verified Statement of "Small Entity" Status Under 37 C.F.R. § 1.27. Reduced fees
under 37 C.F.R. § 1.9(f) (50% of total) paid herewith <u>\$</u> .

<sup>\*</sup>Includes all independent and single dependent claims and all claims referred to in multiple claims. See 37 C.F.R. § 1.75(c).

- [X] The amount of \$40.00 for recording the attached Assignment is enclosed as a separate check.
- [X] Two checks in the amount of \$760.00 & \$40.00 to cover the [X] recording, [X] filing fee(s) are attached.
- [] Charge fee to Deposit Account No. 04-1121. Order No. \_\_\_\_\_
  TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.
- [X] Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 04-1121. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 04-1121 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Date: December 28, 1999

Paul J. Farrell Reg. No. 33,494

DILWORTH & BARRESE 333 Earle Ovington Blvd. Uniondale, NY 11553 Tel. No. (516) 228-8484 Fax. (516) 228-8516

PTO/SB/17 (12-98)

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FEE TRANSMITTAL		Complete if Known			
		Application Number			
for FY 1	999	Filing Date			
Patent fees are subject to annual revision.		First Named Inventor	Min Goo Kim		
	all Entity payments <u>must</u> be supported by a small entity statement, erwise large entity fees must be paid. See Forms PTO/SB/09-12.		Application Number Filing Date First Named Inventor Min Goo Kim Examiner Name Group / Art Unit		
		Group / Art Unit			
TOTAL AMOUNT OF PAYMENT	(\$) 800.00	Attorney Docket No.	678-434 (P9079)	フ	

(4) 33313	Allo	mey Docket	No. 1070-434 (F9079)			
METHOD OF PAYMENT (check one)		FI	EE CALCULATION (continued)			
The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:  Deposit  Deposit	Large Entit	IONAL FE by Small Entity Fee Fee Code (\$)		Fee Paid		
Account   04-1121	105 130	205 65	Surcharge - late filing fee or oath			
Number Deposit Account Name Dilworth & Barrese	127 50	227 25	Surcharge - late provisional filing fee or cover sheet.			
Charge Any Additional	139 130	139 130	Non-English specification			
Fee Required Under 37 CFR 1.16 and 1.17	147 2,520	147 2,520	For filing a request for reexamination			
2. X Payment Enclosed:	112 920°	112 920*	Requesting publication of SIR prior to Examiner action			
Check Money Other	113 1,840	113 1,840	Requesting publication of SIR after Examiner action			
FEE CALCULATION	115 110	215 55	Extension for reply within first month			
	116 380	216 190	Extension for reply within second month			
1. BASIC FILING FEE Large Entity Small Entity	117 870	217 435	Extension for reply within third month			
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	118 1,360	218 680	Extension for reply within fourth month			
101 760 201 380 Utility filing fee \$760.00	128 1,850	228 925	Extension for reply within fifth month			
106 310 206 155 Design filing fee	119 300	219 150	Notice of Appeal			
107 480 207 240 Plant filing fee	120 300	220 150	Filing a brief in support of an appeal			
108 760 208 380 Reissue filing fee	121 260	221 130	Request for oral hearing			
114 150 214 75 Provisional filing fee	138 1,510	138 1,510	Petition to institute a public use proceeding			
	140 110	240 55	Petition to revive - unavoidable			
SUBTOTAL (1) (\$) 760.00	141 1,210	241 605	Petition to revive - unintentional	<u> </u>		
2. EXTRA CLAIM FEES	142 1,210	242 605	Utility issue fee (or reissue)			
Fee from Ext <u>ra Claims below</u> Fee Paid	143 430	243 215	Design issue fee			
Total Claims 13 -20** = 0 x \$18 = \$0	144 580	244 290	Plant issue fee			
Independent 2 - 3** = 0 x \$78 = \$0	122 130	122 130	Petitions to the Commissioner			
Multiple Dependent \$260 =	123 50	123 50	Petitions related to provisional applications			
**or number previously paid, if greater; For Reissues, see below	126 240	126 240	Submission of Information Disclosure Stmt			
Large Entity Small Entity Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	581 40	581 40	Recording each patent assignment per property (times number of properties)	\$40		
103 18 203 9 Claims in excess of 20	146 760	246 380	Filing a submission after final rejection	<del>• • • • • • • • • • • • • • • • • • • </del>		
102 78 202 39 Independent claims in excess of 3	149 760	249 380	(37 CFR 1.129(a))			
104 260 204 130 Multiple dependent claim, if not paid	143 700	243 300	For each additional invention to be examined (37 CFR 1.129(b))			
109 78 209 39 ** Reissue independent claims over original patent	Other fee (sp	ecify)				
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	Other fee (sp	ecify)				
SUBTOTAL (2) (\$) 0.00	*Reduced by	Basic Filing F	ee Paid SUBTOTAL (3) (\$) 40	.00		
SUBMITTED BY	SUBMITTED BY Complete (if applicable)					

1	SUBMITTED BY				Complete (if applicable)		
Typed or Printed Name Paul J. Farrell				Reg. Number	33,494		
	Signature	Yaul Harell	Date	12/28/99	Deposit Account User ID	04-1121	
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